

U.S.S.N. 09/687,483
Braun *et al.*
Preliminary Amendment

each datapoint is associated with parameters representative of the organism type and identifying information.

50. (Amended) The database of claim 8, further comprising, genotypic data of nucleic acid of the subject, wherein genotypic data includes, but is not limited to, genetic markers, non-coding regions, microsatellites, restriction fragment length polymorphisms (RFLPs), variable number tandem repeats (VNTRs), historical [day] data of the organism, the medical history of the subject, phenotypic information, and other information.

76. (Amended) The method of 75, wherein primer oligo base extension, comprises:

- a) optionally immobilizing the nucleic acid molecules onto a solid support, to produce immobilized nucleic acid molecules;
- b) hybridizing the nucleic acid molecules with a primer oligonucleotide that is complementary to the nucleic acid molecule at a site adjacent to the polymorphism;
- c) contacting the product of step c) with composition comprising a dideoxynucleoside triphosphate or a 3'-deoxynucleoside triphosphate[s] and a polymerase, so that only a dideoxynucleoside or 3'-deoxynucleoside triphosphate that is complementary to the polymorphism is extended onto the primer; and
- d) detecting the extended primer, thereby detecting the polymorphism in nucleic acid molecules in the pooled nucleic acids.

REMARKS

Any fees that may be due in connection with filing this paper, or during the entire pendency of this application, may be charged to Deposit Account No. 50-1213.

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The amendments to the specification and to claims 23, 27, 39, 41, 47, 50, and 76 correct obvious typographical errors and produce grammatical clarity. The amendment to claim 50 also finds basis in claim 15.

No new matter has been added..

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Entry of this amendment and examination of the application are respectfully requested.

Respectfully submitted,
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